


Lehrstuhl für Maschinenelemente und Fördertechnik  
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		<b>Type testing acc. DIN EN 13411 - 6 on casted asymmetric wedge socket Part 2(2) Fatigue test</b>	
		<b>Company: Süther &amp; Schön GmbH</b>	
<b>Rope</b>			
Ø	Construction		Minimum breaking force $F_{min}$ [kN]
20 mm	CASAR Eurolift ( 1960 N/mm <sup>2</sup> )		362,20
<b>Asymmetric wedge socket NG 550</b>			
	socket body	wedge	pin
item-no.	KK2 1920 00 000 148	K02 1920 00 000 148	B01 1920 00 000 148
new item-no.	KK2 1920 00 000 411	K02 1920 00 000 411	B01 1920 00 000 148
material	GS 26 CrMo 4V1	GS 45	42 CrMo4 V
<b>Fatigue test</b>			
no.	Minimum force $F_u = 0,15 * F_{min}$ [kN]	Maximum force $F_o = 0,3 * F_{min}$ [kN]	Load cycles
92.06	54,33	108,66	75.000
results	The 2 test samples fulfil the fatigue test (6.24) . The non destructive testing of the component parts by dye penetrant method did not exhibit visible cracks.		

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